

08/05/03  
16119 U.S. PTO

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PTO/SB/05 (05-03)  
Approved for use through 04/30/2003. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1581.0770001/RWE/BEC
First Inventor	Quinn et al.
Title	Methods and Compounds for the Treatment of Mucus Hypersecretion
Express Mail Label No.	

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 31]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 1]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☒ paper
- c. ☒ Statements verifying identity of above copies

15535 U.S. PTO  
10/633698  
08/05/03

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449, including First, Second and Third Supplemental IDS's ☒ Copies of IDS Citations (Third Supplemental IDS only)
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Authorization under 37 C.F.R. § 1.136(a)(3)  
☒ Other: The name of the assignee is: Health Protection Agency

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-Part (CIP) of prior application No: 09/763,669  
Prior application information: Examiner Kam, C. M. Group/Art Unit: 1653

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number 26111

or ☐ Correspondence address below

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August 5, 2003

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Mail Stop Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. (to be assigned); filed (herewith)  
For: **Methods and Compounds for the Treatment of Mucus Hypersecretion**  
Inventors: Quinn *et al.*  
Our Ref: 1581.0770001/RWE/BEC

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. Utility Patent Application Transmittal (Form PTO/SB/05);
2. U.S. Utility Patent Application entitled:

Methods and Compounds for the Treatment of Mucus Hypersecretion

and naming as inventors:

Conrad Padraig Quinn  
Keith Alan Foster  
John Andrew Chaddock

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);

- b. A specification containing:
    - i. 20 pages of description prior to the claims;
    - ii. 10 pages of claims (claims 1-54); and
    - i. 1 page abstract;
  - c. Five (5) sheets of drawings (Figures 1-3 (photographs) and 4-7);  
and
  - d. Three (3) pages of a paper copy of a sequence listing;
- 3. Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3);
  - 4. Information Disclosure Statement and Form PTO-1449 (3 sheets);
  - 5. First Supplemental Information Disclosure Statement and Form PTO-1449 (3 sheets);
  - 6. Second Supplemental Information Disclosure Statement and Form PTO-1449 (3 sheets);
  - 7. Third Supplemental Information Disclosure Statement, Form PTO-1449 (5 sheets) and accompanying (12) references;
  - 8. A computer readable copy of the sequence listing; and
  - 9. Two (2) return postcards.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Commissioner for Patents

August 5, 2003

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It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Bruce E. Chalker  
Attorney for Applicants  
Registration No. 47,480

BEC/dab

::ODMA\MHODMA\SKGF\_DC1;163768;1

Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Quinn *et al.*

Appl. No. *To be assigned*

Filed: *Herewith*

For: **Methods and Compounds for the  
Treatment of Mucus  
Hypersecretion**

Confirmation No. *To be assigned*

Art Unit: *To be assigned*

Examiner: *To be assigned*

Atty. Docket: 1581.0770001/RWE/BEC

**Authorization To Treat A Reply As Incorporating An Extension Of  
Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

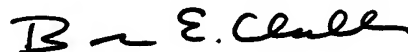
**Mail Stop Patent Application**

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Bruce E. Chalker  
Attorney for Applicants  
Registration No. 47,480

Date: August 5, 2003

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